Operating instructions

TV

- Xelos A 32
- Xelos A 37

233–32398.020

LOEWE.

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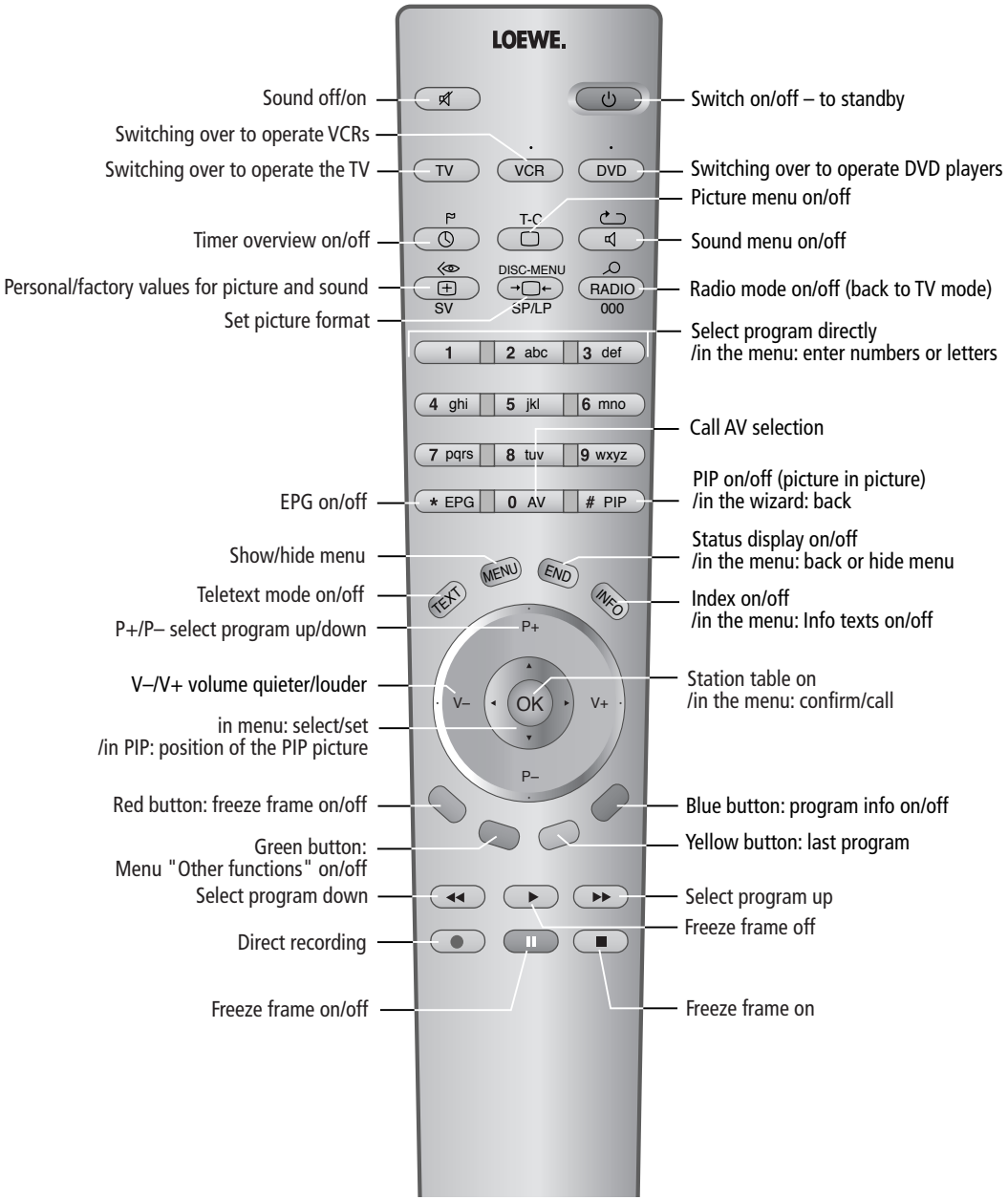
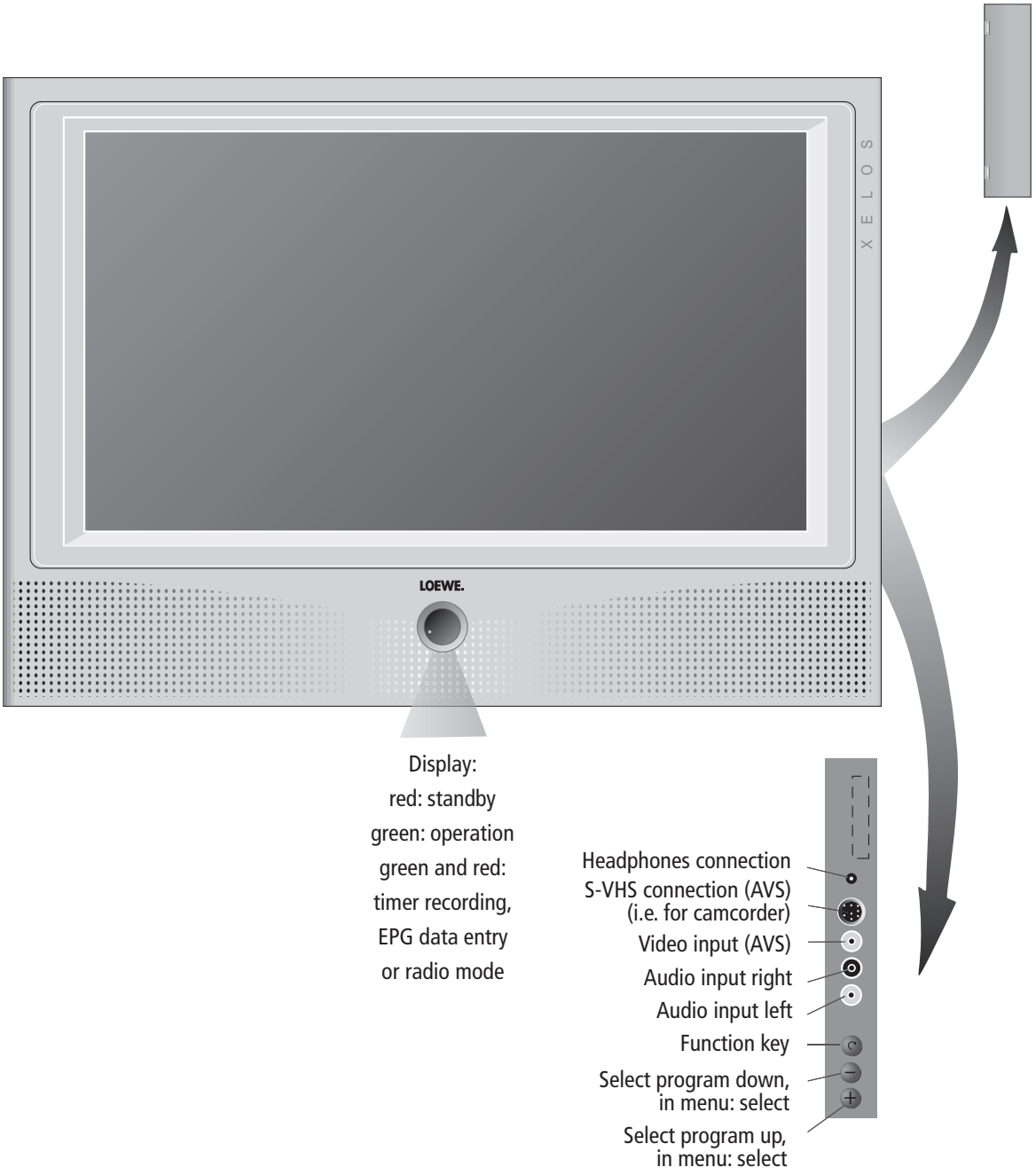
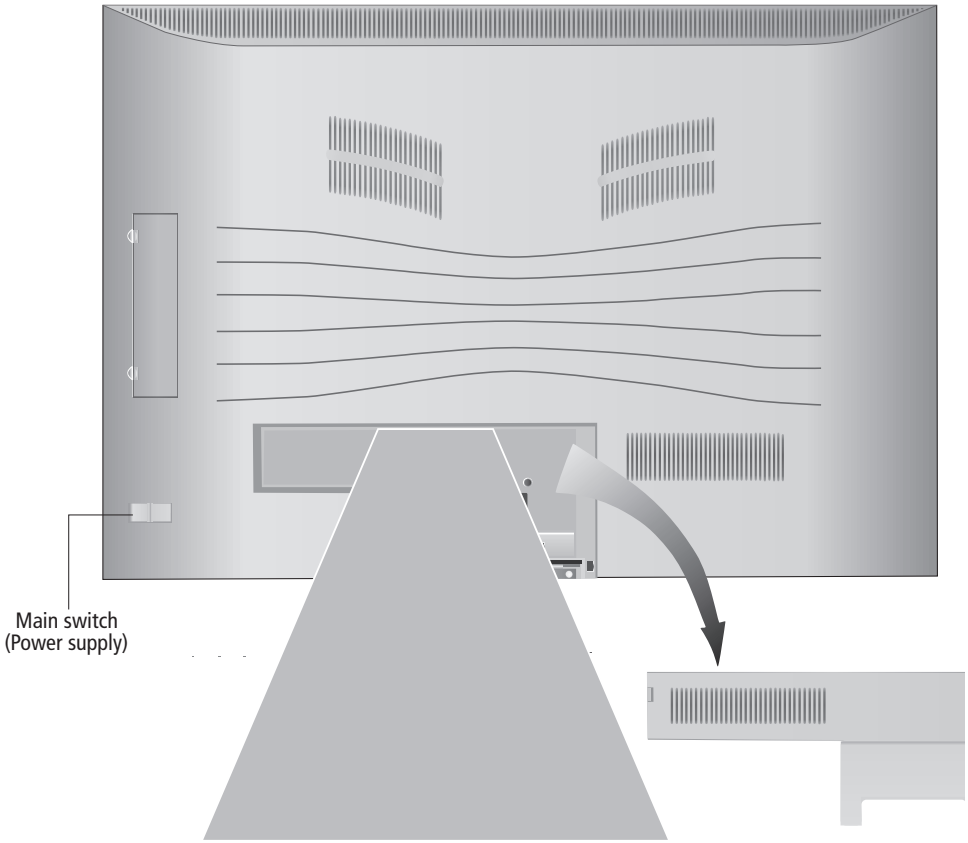
Remote control RC4 – TV functions

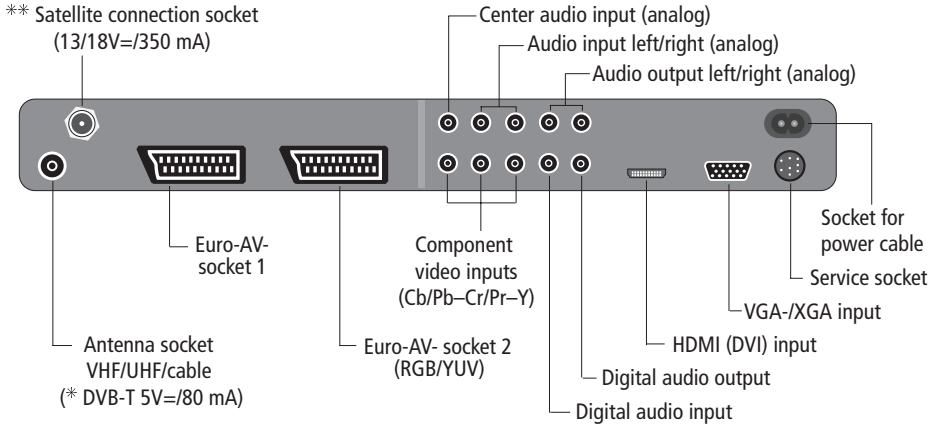


Control unit



Connections to rear panel





* only for set with DVB-T

** Digital satellite tuner retofittable in units with DVB-T

Welcome

Thank you

for choosing a Loewe product.
At Loewe we combine the highest standards of technology, design and user friendliness. This applies equally for TV, video and accessories.
Your new TV set is ideally equipped for the TV standard of the future "HDTV" (High Definition Television). With its high resolution screen and the future-safe digital interfaces DVI/HDMI it offers the possibility of showing HD contents in excellent picture quality. It therefore carries the European quality mark "HD ready".
We have designed the TV set in such a way that it is easy to operate with menus. Information about settings in menus is shown automatically for fast comprehension of the situation.
You will find the answers to many of your technical queries in the index of your TV. If it is a matter of operating the TV, you can access a function directly from the index. This saves you from having to read through detailed operating instructions and is the reason, why this operating manual only explains the most important operating steps.
With the remote control you can control three Loewe units, in addition to this TV set also a Loewe video recorder and a Loewe DVD player.

TV equipment

The maximum equipment (without optional retrofit kits) is described in these operating instructions. Functions marked by * are not available in all TV sets.
For sets with terrestrial and satellite supported Digital-TV additional operating instructions are enclosed with the appropriate equipment.
Menu contents may differ from the ones shown depending on your TV equipment.
You can view your TV equipment in the "Integrated features" index (press the INFO button in TV mode, if no menu is displayed; is displayed separately in the index before A.

Scope of delivery

- TV LCD-TFT Xelos A 32 or Xelos A 37
- RC4 remote control with 2 batteries
- Table-Stand TS52
- fabric hose
- this operating manual

Transporting

Only transport the unit in an upright position. Hold the set by the top and bottom edges of the housing. The LCD screen is made of glass and may break if not handled carefully.

Please note!

The LCD screen you have purchased meets the highest quality requirements and has been tested for pixel errors. Despite the utmost caution in production of the sets, it cannot be totally ruled out that some of the pixels might be defective for technological reasons. Please understand that such effects cannot be considered as a unit defect in the sense of the warranty as long as they are within the limits specified by the standard.

- Use your screen in a full screen format.
- Always switch off the screen when not in use.
- Reduce contrast and brightness as far as possible.

Installation possibilities

as a desktop unit
Use the base included in delivery. Installation instructions are enclosed with the base.

as a wall-mounted unit
Use the wall holder WM53, Loewe order no. 63493 A10.

mounted on a rack
Use the Xelos Rack, Loewe order no. 64496 A00.

Cleaning

Use only a soft, clean, damp cloth to clean the TV, Plasma screen and remote control (don't use any caustic or abrasive cleaning agents).

Disposal

Packing and box
You have chosen a long lasting technical product of very high quality. We have paid a fee to authorized recyclers who will collect the packing from your dealer for disposal. Nevertheless we recommend you to keep the original box and packing material for optimum protection if you have to transport the set.

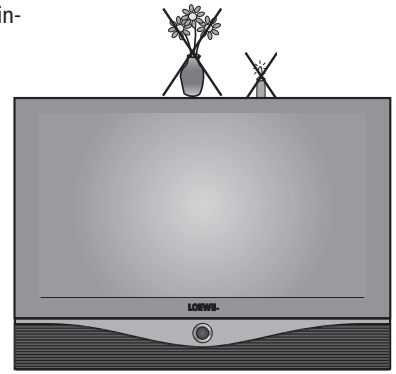
The set
For environmentally friendly disposal of the TV set, please contact your dealer.

Remote control batteries
The batteries provided contain no harmful materials such as cadmium, lead or mercury. Regulations concerning used batteries mean that batteries may no longer be thrown out with the household rubbish.

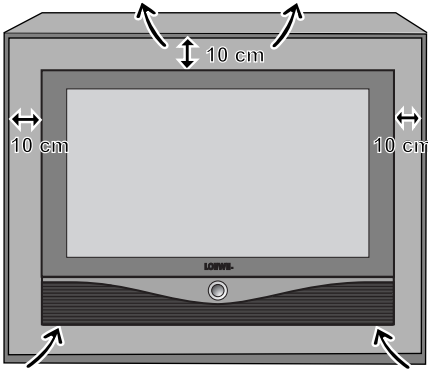
For your safety

For your safety and to avoid unnecessary damage to your TV set, please read and observe the following safety instructions:

- This TV set is designed exclusively for reception and reproduction of video and audio signals.
- This equipment is designed for domestic and office environments and must not be used in rooms with high humidity (e.g. bathroom, sauna) or high concentrations of dust (e.g. workshops). If the equipment is used in the open air, ensure that it is protected against moisture (rain, dripping, splashing, sprayed water or dew). Do not place any containers filled with liquids or lit candles on top of the TV. High levels of moisture and concentrations of dust cause leakage currents in the equipment, which can lead to danger of electric shock or fire. The manufacturer's warranty is only valid for use in the specified permissible environment.



- If you have moved the TV set out of the cold into a warm environment, leave it standing for about an hour because of the possible forming of condensation.
- This equipment must only be connected to a mains power supply which has the same voltage and frequency as that specified on the rating plate with the power cable provided. Incorrect voltages can damage the equipment.
- Like all electronic equipment, your TV needs air for cooling. Obstruction of the air circulation can cause fires. Therefore the air vents on the back must always be kept free. Please do not place newspapers or cloths on/over the TV. If the



TV is placed in a cabinet or on a shelf, leave at least 10 cm at the sides and back and 10 cm at the top to ensure sufficient air circulation. Position the set so that it is not exposed to direct sunlight and additional heating from radiators.

- Avoid metal parts, needles, paper clips, liquids, wax or similar getting into the TV set through the air venting slits in the rear panel. This can lead to short-circuits and possibly to fire. If something should get into the inside of the TV set, pull out the plug immediately and notify customer service.
- Never remove the back of the TV set yourself. Repair and servicing of your TV set should only be carried out by authorized TV technicians.
- Place the TV set on a level, firm base. The set should not protrude at the front when installing in cabinets or shelves.
  Only use original accessories if possible, e.g. Loewe wall holders and stands.
  Never let children handle the TV unattended.
  Do not allow children to play in the immediate vicinity of the TV, they could knock, shift or pull it over and injure someone.
  Never leave the TV on unsupervised.
- Do not install the TV where there may be vibrations. Vibrations can lead to material stress.
- Pull out the power and antenna cables during thunderstorms. Surge voltages caused by lightning strikes can damage the TV through the antenna system and the mains. Also remove the antenna and mains plugs in long periods of absence.
- The mains plug of the TV set must be easily accessible so that the set can be disconnected at any time.
- Lay the cable in such a way that it will not be damaged. The power cable may not be kinked or laid over sharp edges, not stood on and not exposed to chemicals, the latter also applies to the device as a whole. A mains cable with damaged insulation can lead to electric shocks and is a fire risk.
- When removing the power plug, pull the plug housing and not the cable. The wires in the plug could be damaged and cause a short circuit the next time it is plugged in.

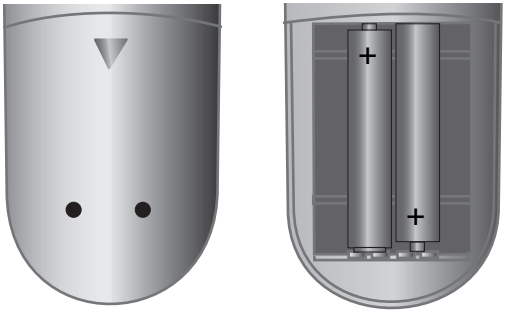
The rating plate of the TV is on the rear of the set.

First installation

Remote control

Batteries

To insert or change the batteries press on the arrow. Slide the battery compartment cover downwards and remove it. Insert Alkali Mangan LR 03 (AAA) batteries and ensure that the + and – ends are connected correctly .



Then push the cover back on from the bottom until it snaps in.

Set the remote control for operating the TV

TV Push **TV**-key

How to operate other Loewe equipment is described on page 29.

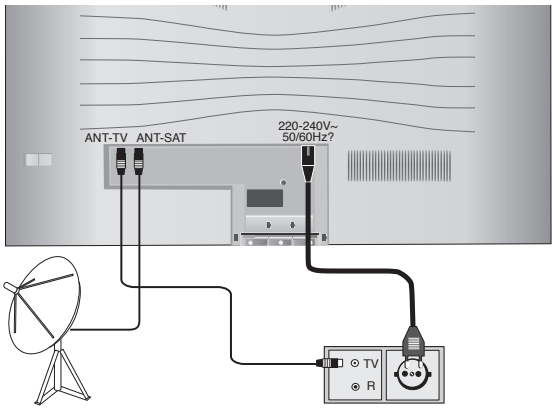
Connection

Power mains

Connect the TV set to a 220-240V/50–60 Hertz to a power outlet.

Antennae

Plug the antenna plug of your antenna/cable system or the room antenna for DVB-T into the ANT-TV socket.
If a digital satellite tuner has been retrofitted, connect your satellite antenna system for the ANT-SAT socket.
Use the enclosed cable loops for laying the cables.



Switching on

Switch on the set with the ON/OFF button on the rear of the screen.

The green lamp on the TV set now lights up.

From standby it is best to switch back on with the blue On/Off button or with a numeric key of the remote control.

After switching on it takes about 2 minutes for the screen to reach full brightness due to the LCD technology.

First installation

Automatic programming

Automatic programming of the TV set is started the first time you switch it on. Follow the menus.
First you have to select the menu language. Then you enter which antennae you have connected to your TV set and in what country you are using it. Then start the station search. The TV set searches for, saves and sorts all programs which are receivable on your antenna system.
Then log in your video equipment, decoder and Loewe audio system with the co.nnection wizard and connect these to the TV according to the displayed connection diagram. If you want to connect other equipment later, you will find information from page 22 onwards.

By pressing the **OK** button in the direction of the arrow you select the setting ...

... and confirm your settings with **OK**. You then go to the next menu.

Back

You can repeat initial installation at any time, e.g. after moving house. Call the index with the **INFO** button. Select the index item "Repeat initial operation" (you will find this listed separately before the letter A). Then start first time operation with **OK**.

Daily operation

Switch on/off

Your TV is equipped with an eco-standby power supply unit. On standby the power consumption drops to low power (see page 32). If you want to save even more electricity, switch the set off with the ON/Off button. However, please bear in mind that EPG data will be lost and programmed timer recordings will not be performed by the TV.

Switching off
If the TV set is switched on, you can switch it to standby using the blue ON/OFF button of the remote control.
The red lamp on the TV set lights up. If it lights green and red, a timed recording is made, EPG data is entered or radio operation without screen display is active.

Switching on the TV set
From standby it is best to switch back on with the blue On/Off button or with a numeric key (station 0 – 9) of the remote control.

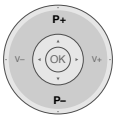
Or switch on the TV set with **OK**, you can see the station table and select a station.

Switching the radio function on
With the **RADIO** button on the remote control.
Radio mode is only possible if the TV set is equipped for satellite reception
or an external radio receiver is connected to the AV connections AV1, AV2 ...

If you switch off the TV set with the ON/OFF button on the right of the set, the display no longer light up.

Changing channels

... with the P+/P– buttons on the remote control



Channel up/down

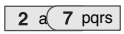
... with the numeric keys of the remote control

The set has a dynamic memory with 430 (with DVB 1680) memory locations. If up to 9 stations are stored, you only need to enter one digit, up to 99 two digits, up to 999 three digits and above 999 four digits (please look in the station table to see how many station have been stored).

long

1 digit stations

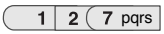
Press keys 0 – 9 for one second, and the station changes instantly.
Or press button 0 – 9 briefly, the station then changes after 2 seconds (the station changes immediately when only 9 stations are stored).



short long

2 digit stations

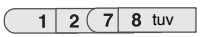
After briefly pressing the first numeric button keep the second numeric button pressed for one second, the station then changes immediately.
Or press both numeric buttons briefly, the station then changes after 2 seconds (the station changes immediately when only 99 stations are stored).



short short long

3 digit stations

After briefly pressing the first and second numeric button keep the third numeric button pressed for one second, the station then changes immediately.
Or press the three numeric buttons briefly, the station then changes after 2 seconds (the station changes immediately when only 999 stations are stored).



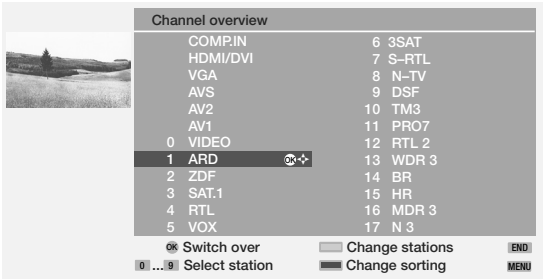
all short

4 digit stations

Press the four numeric keys briefly, the channel then changes immediately..

... via the station table

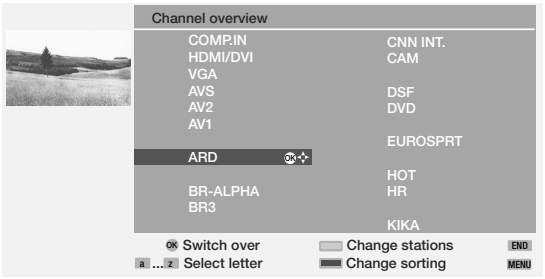
Call the channels preview with **OK**



Select station (if possible, the selected station is displayed in the PIP picture)
or ...

... select with numeric buttons

call selected station
blue button: sort alphabetically/according to bouquets * /numerically



In case of alphabetical display: Enter letter (as on a mobile phone keypad), select with ▼ ▲ and call with **OK**.
For bouquet display (only for devices with DVB): Enter bouquet number, select with ▼ ▲ and call with **OK**.
Digital stations are marked by D coded ones by D .

Calling up audio/video stations - AV selection

for playing AV equipment (see also from page 22 onwards).

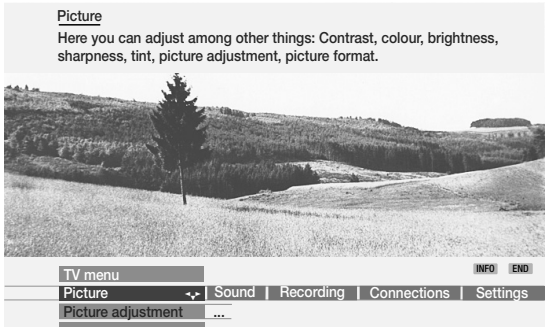
Select AV socket (or VIDEO if the video recorder has been connected via the antenna socket) and with ...
... Call AV station..

Basics about the menu operation

We show you how to navigate with the menus with the TV menu as an example. You'll be able to see which keys to use from the dark blue box on the righ.

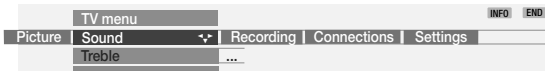
MENU

Open TV menu (in TV mode).


Picture
Here you can adjust among other things: Contrast, colour, brightness, sharpness, tint, picture adjustment, picture format.
TV menu
INFO END
Picture
Sound | Recording | Connections | Settings
Picture adjustment
...

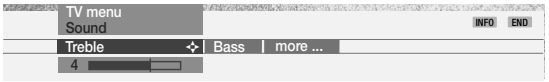
OK

Next to the menu (bottom) you can see information about the set menu item at the top (hide with **INFO**).
Select the function in the TV menu, e.g. "Sound" (for sound settings). With ▸ you move the menu items displayed on the right to the dark blue box, with ◂ the menu items displayed on the right.



OK

Select the sound function below with ▾, you will then see a list of the sound settings.



OK

In the sound settings also select the function with ◂ ▸ e.g. "Bass" (for increasing or reducing the bass tones

OK

To set the bass tones, select the settig bar below with ▾.

OK

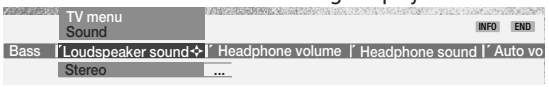
Set the bass tones with ◂ ▸.

OK

If you want to make other sound settings, move up with ▲ to "Bass" and select with ◂ ▸ e.g. "others". You can also move up further with ▲ to "Sound" and select other settings iln the TV menu.

OK

You can have the other sound settings displayed with **OK**.

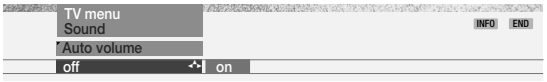


OK

Select the sound setting with ◂ ▸, e.g. "Vol. Automatic" and ...

OK

... mark the selection for volume automatic with ▾.



OK

Select volume automatic "on" with ◂ ▸.

END

Press the **END** button to hide the menu.

Other menus can be opened in TV mode as follows apart from the TV menu shown here:

Call the Sound menu directly.

Call the Picture menu directly.

Call normal/factory values.

Call the picture format selection directly.

Green colored button: Quick calls for teletext subtitles, personal teletext pages, headphones volume, play stations and moved picture vertically.

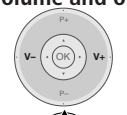
Under volume we get other sound settings such as sound via, sound adaptation, listening mode and loudness.
The key ▲ or **OK** must be pressed for the duration of the volume display for this.

Blue color button: Under station info you get station information and a station preview via teletext and/or EPG.

Daily operation

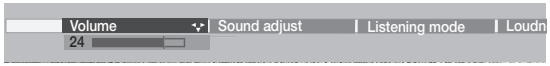
Adjusting the sound

Volume and other frequently used sound settings



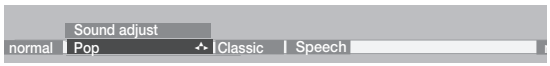
Setting the volume

you can have other sound settings displayed with ▲ ...



and select with ◀ ▶ ...

with ▼ to the appropriate selection/setting ...



... and select/set there ◀ ▶ with.

Sound off/on

Sound off;
Sound on: Press button again or adjust volume.

Other sound settings:

Call the Sound menu

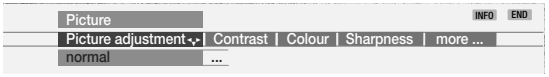
select the sound function to be set with ◀ ▶ and with ▼ to the appropriate selection ...

... and select/set with ◀ ▶ .

Sound settings: Treble and bass. Different menu items are displayed depending on the connected audio device (Auro, hifi amplifier). Under "others ..." you will find the sound selection for loudspeakers and headphones, volume automatic, volume of the headphones, AV output sound, max. volume and balance.

Setting the picture

Open the Picture menu



select the picture function to be set with ◀ ▶ and with ▼ to the appropriate selection ...

... and select/set with ◀ ▶ .

Picture settings: Picture adjustment, contrast, color, sharpness Under "other..." you will find brightness, AMD (Automatic Movie Detection), DMM (Movie Mode), picture format - move picture vertical for zoom,cinema and panorama.

Operation on the TV set

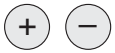
Switching channels on the TV set

Channel up +

Channel down –

Changing volume, contrast, color or picture format

Press the function key briefly.



Select the function to be set with the – or + keys e.g. contrast.

Press the function key briefly.

Set with – or +.

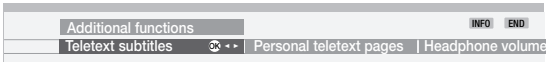
TV mode

In initial installation and daily operation, the TV set is in TV mode. This is also the case when none of the other modes of operation such as EPG, Teletext, PIP or Radio has been selected.
Each of these modes of operation has a menu, which you can call with the **MENU** button and with some color button assignments.

Functioning of the colour buttons in TV mode

red: the TV picture freezes Pressing this button again starts the picture moving again.

green: select other functions such as teletext subtitles, personal teletext pages, headphones volume and preview channels..



yellow: Call last viewed channel. You can switch back and forth quickly between two channels with this button.

blue: call station info.

Personal values and factory values

call personal values/factory values for picture and sound, save picture and sound values as personal values

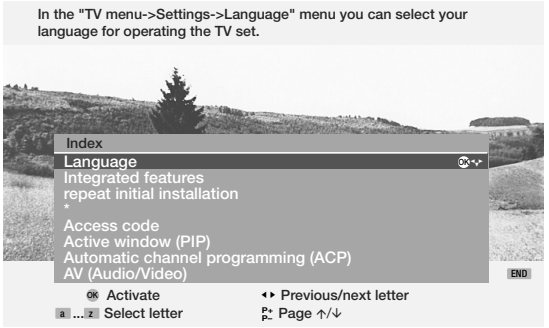
Show status display

Show/hide status

Language selection with the green button for DVB transmitters*.
Note: in the sound identification, Mono! means that you have switched manually from stereo to mono for example.

Open index

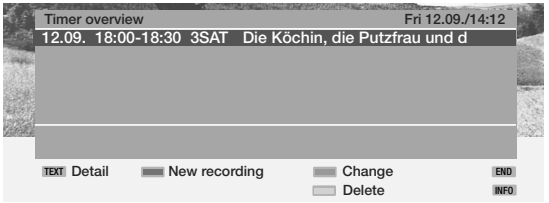
Open index



The index answers many questions, concerning your TV set. If you have a question about the operation, you have direct access to it from the index. This set is delivered in different variants. You can find out what equipment your TV has under the menu item "Integrated features".

Call timer overview

If timer recordings have been programmed you will see when which station was recorded here.



Press the **red button** to go to the menu for programming a new recording (see page 23).

Modes of operation

Select picture format

The TV set sets the best picture format automatically when AMD is switched on. If you want to set a different format, press this button until the desired format is selected or select the format with ◀ ▶.

TV menu

MENU

Call up the TV menu

You will find a description of the picture and sound settings on page 13. The TV menu offers others for recording and connections and for TV settings

Under "Recording" you will find the functions:

Program new timer recordings

• via EPG • via teletext (VPT) • manual

You will find further information about timer recording on page 23.

Timer overview

Here you will find a list of channels programmed for recording. You can change the recording data or delete programmed recordings completely and program new recordings.

Recording lead time and lag time

For recordings without VPS you set a lead and lag time here so that the program is fully recorded in case of slight differences in the time.

Under "Connections" you will find the following functions:

New devices/modifications (connection wizard)

The connection wizard helps you connect and log in additional equipment such as video recorders, DVD players/recorders, camcorders/digital cameras, pay TV decoders, equipment with component signals and digital HDMI/DVI signals.

Antenna DVB *

• Antenna DVB-T • Satellite DVB-S

You will find further details in another operating manual.

Digital Link Plus

Transmission of the program data from the TV set to the video/DVD recorder if a recorder with Digital Link Plus is recorded.

Miscellaneous (connections)

- Set AV standard for the connections manually (if it is not recognized automatically).
- "Assign audio digital signals" to one of the AV sockets.
- "Allow switching voltage" to display the signals of the connected device immediately on the screen via Euro AV during playback
- RGB insertion at AV2 to play back RGB signals at all station slots.

Select decoder stations and set sound coding.

Under "Settings" you will find the following functions:

Channels

Here you can search for and store new stations automatically or manually. In "Change stations" you can re-sort and delete stations and change station names.

• Automatic search • Manual adjustment • Change stations

Parental lock

You can lock the TV "from now" or daily for a certain time.

Timer functions

You can have your TV switch off at pre-programmed times or wake you/remind you with radio or TV. If you are not present at the time, a safety prompt makes sure the TV switches off again after 5 minutes.

• Switch off once only • Switch off daily • One-time reminder
• Wake up Mon-Fri • Wake up Sat • Wake up Sun • Wake up with *
• Wake up signal volume

Language

If "your" menu language is not set, you have to select the "Language" menu in a language that you do understand. Therefore here is a simple way to set the right menu language:

1. Press the **INFO** button (index), select the first listing (this is above A).
2. Call the language selection by pressing **OK** button.
3. Now mark the desired language and confirm it by pressing the **OK** key.
4. Hide the menu again with the **END** button.

Miscellaneous (settings)

On screen displays
Define the content of the status display here and switch the automatic info texts off or on:
• On screen display time • Title of the station • Sound identification
• Time • Alarm time • Sleep timer • Automatic info

Time and date
When you receive teletext, the correct date and time setting is picked up by the set. The time serves as information for timer recordings, timer functions and EPG. If you do not receive teletext, you should set the date and time and not switch the TV off with the mains switch, as the settings will then be lost.

Digital-TV software *
Update of DVB software via satellite.

DVB subtitles *
• Subtitles off • Subtitles for impaired hearing
• Subtitles as translation for foreign language programs.

Picture in picture (PIP)

Picture in picture displays are possible if the set has a digital satellite tuner in addition to the TV cable tuner or when playing a connected DVD player, VCR etc.

The PIP displays a PIP image in the presently displayed TV image. The frame around the PIP is initially green.

PIP Show/hide PIP picture

PIP picture as freeze frame

The frame around the PIP must be green. If it is not, press the green button.
If you press the red button, the PIP picture freezes.
Press again – moving picture.

Select the station of the PIP picture

The frame around the PIP must be green. If it is not, press the green button.
Then select the station as normal.

Select the station of the TV picture

The frame around the PIP must be white. If it is not, press the green button. Then select the station as normal.

Modes of operation

Preview stations in the PIP picture

The frame around the PIP must be green. If it is not, press the green button.

Start the station scan with the blue button. The PIP frame turns blue.

The stations now change automatically. Stop the station scan with the blue button. The PIP frame turns green again.

Interchanging PIP picture/TV picture

The frame around the PIP must be green. If it is not, press the green button.

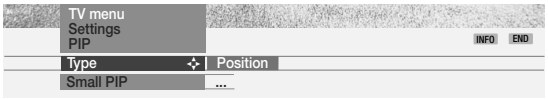
Interchange the pictures with the yellow button.

Functions in the PIP menu

In the PIP menu you set the PIP type (small picture or split screen) and the position of the small picture.

MENU

Call the PIP menu (PIP must be active)



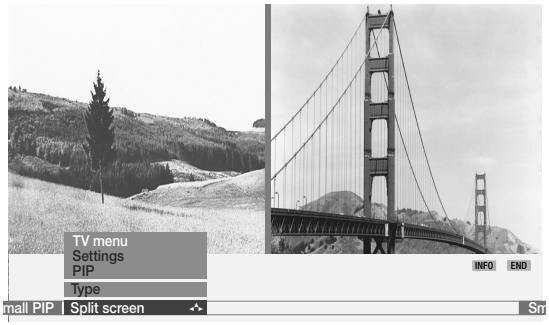
PIP type: Split Screen

You can have the PIP picture displayed on the right hand side of the screen. Both pictures share the screen in two halves. You will see a coloured vertical bar between the pictures

Switch to split screen:

OK

Select "Type" and then "Split Screen".



PIP type: Small picture

You can have the PIP picture displayed as a small picture. You will see a coloured frame around the PIP picture.

Switch to small picture:

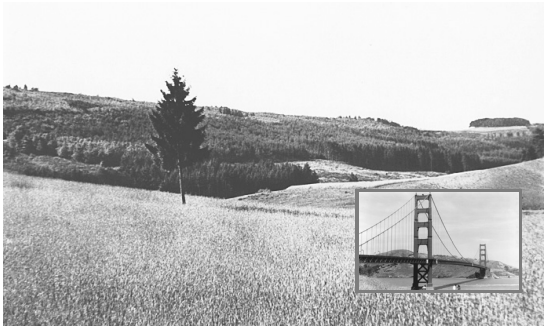
OK

Mark "Type and then "Small picture

Position of the PIP picture

OK

Move the PIP picture with the arrow keys to a corner of the TV picture.



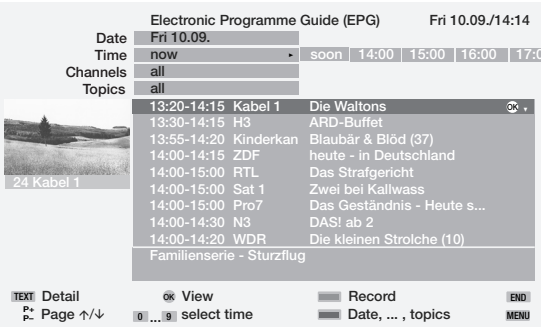
The frame around the PIP picture must be green.

Program guide – EPG

EPG is the electronic program guide for TV programs. With this system, you can easily find the stations that interest you (sorted according to day, time, program and topic). You can memorize stations and station recordings. Depending on whether you are receiving analog stations by cable/antenna or digital stations, you will have different program guides.
A wizard is activated the first time you use EPG (not with DVB) which guides you through the necessary settings. Then run the data acquisition (see next page).

Using the EPG

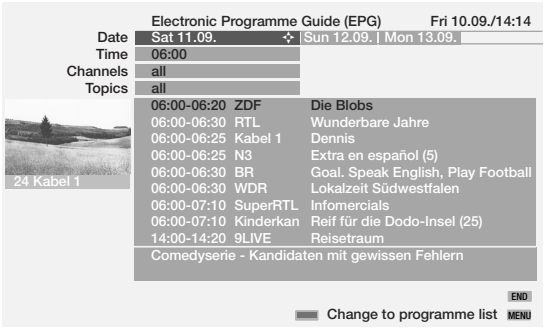
* EPG Switch EPG on/off



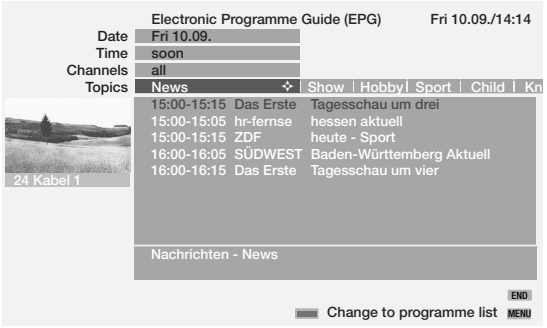
All **currently** running programs are listed initially in the program list. With the ▼ ▲ buttons, select the program you want to watch and switch over with the **OK** button. In the small picture you will see the selected program in the currently running programs.
Brief information is shown below the program list for some programs. If further information is available, you can call the detailed information with the **TEXT** button.
With **P–** you can scroll to the next page of the program guide, with **P+** to the previous page. In the selection lines for date and time above it, you will see the time change when scrolling, when scrolling further the date also changes. If programs which have not yet started are displayed, you can **note** these with the **OK** button . The TV set then switches automatically to this program at a given time.

You have direct access to the selection lines to pre-select the day, the time, the station and the topic.

blue colour button: Call Select date/time/station/topics



With ▼ ▲ select the menu line date, time, station or topics.
With ◀ ▶ select within the menu bar.
If, for example, you are looking for the next news, select today's date, "next" under Time, "all" under Station and "News" under Topics.
Then you get a list of all news programs in the station list below it.



If you want to note one of these news programs, return to the station list with the blue button, select the desired news program with ▼ ▲ and note this with **OK**. A ✓ is placed in front of the title of the station. This station is switched to later when the set is switched on. If the TV is off, it switches on again automatically at the beginning of the noted program if this has been set in the EPG menu. If you are out, a security prompt prevents the TV set staying on unattended.
Before leaving the upper selection lines with the blue button, select a specific line. If you have switched back to station selection, you can change this menu bar with ◀ ▶ without having to leave the program list.

Modes of operation

Programming recording for recorders
You prepare the station marked with the ▼ ▲ buttons for recording by pressing the red button. In the following menu you confirm the timer data or change them as required. Then a red dot is set in front of this program in the EPG program list as an identification. If you select this program, you can delete the program from the timer again with the red button.

Call EPG menu:

MENU Call EPG menu

You will find the following settings in the EPG menu:
- select provider/channel
- Timer overview
- Data capture
- Switch on TV when marked

Selection of provider/station

In case of analog TV programs, you can change the provider (the station which transmits EPG data) to have other programs evaluated. You can do this under "Select provider/channel".
Select "Select provider/channel" and call this menu with **OK**. If the station you want to change to is not listed in the "Select provider" list, start the provider search with the green button. This takes a while.
Or, if you know the station, press the yellow button for "Change provider list". Select the provider in the program list and enter it with **OK** and return to the provider selection with **END**.
Select the provider in the "Select provider" and enter with **OK**. Then a program range search is performed. The programs offered by the provider are displayed in a list.
If you want certain programs to be omitted from the program guide, you can select and deactivate these in the **Program selection**. Call the program selection with the blue button. Now all programs are displayed (the DVB programs too). Programs marked by E are analog terrestrial/cable programs, programs marked by D are digital programs ready for the program guide. Select the programs you want to omit from the program guide one after another and deactivate each one with **OK**.

Data entry
After these settings or every time the switch is set off with the mains switch, the data must first be collected (only for analog TV). To do this, select the program which you have defined as a provider and leave it switched on for about 1 hour or switch the set to standby. The indicator on the TV set lights green and red after about 2 minutes. The data entry begins and lasts about 1 hour. The data are also automatically collected between 2 and 5 in the morning when the TV is switched to standby.
A prerequisite for data entry is that "Data capture" is "on" in the EPG menu.
Note: If the TV set is switched off with the ON/OFF button on the screen or the mains plug is pulled out, all EPG data are lost.
If you cannot receive any EPG providers, for example, you should switch off the data entry.

Switch on TV when marked

You can have the TV switched on automatically from standby at the beginning of the memorized program. If you are not present at the time, a safety prompt makes sure the TV switches off again after 5 minutes.

Modes of operation

Teletext mode

Teletext transmits information such as news, weather, sport, program previews and subtitles.

TEXT Teletext on/off

100 100 ARD-Text 10.09.04 14:14:42
ARD TEXT
Teletext im Ersten
Index
> 101
Bulmahn: Bildung statt Eigenheim 120
Wird auch der Nahverkehr teurer? 121
Australien: Keine Zugeständnisse 122
Tote bei Zugunglück in Schweden 532
Tennis: Haas unterliegt Hewitt 204
Formel 1: Schumacher erneut vorne 213
Tagesschau . . 110/112
Wetter. 170
Sport. 200/600
TV Guide . . . 300/400
Kultur. 500
Gesellschaft . . . 530
Lotto/Toto . . 666
Wirtschaft. 700
Internet: www.ard-text.de
Inhalt
tagesschau
Page selection

Many stations use the TOP operating system, some use FLOF (e.g. CNN). Your TV supports both these systems. The pages are divided into topic groups and topics. After switching on the teletext, up to 3500 pages are stored for fast access.

Page selection with the coloured buttons

The coloured bars (in TOP) or the coloured writing (in FLOF) in the penultimate row show you which coloured buttons to use, to scroll to topic groups and topics.

red: back to the previously seen page (not in FLOF)

green: on to the next page (not in FLOF)

yellow: to the next topic (only in TOP and FLOF)

blue: to the next topic (only in TOP and FLOF)

Other page selection options:

Mark a specified page number on the page (**Page Catching**)

Formel 1: Schumacher erneut vorne 213
Tagesschau . . 110/112
Wetter. 170
Sport. 200/600
TV Guide . . . 300/400
Kultur. 500
Gesellschaft . . . 530
Lotto/Toto . . 666
Wirtschaft. 700
Internet: www.ard-text.de
Inhalt
tagesschau
Page selection
OK View

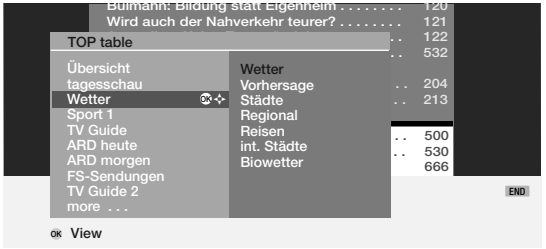
OK call up

Scroll in **multiple pages**. You can see which multiples pages can be called in the bottom menu line.

INFO Call **contents page** 100

OK Call the **TOP table**

The TOP table is a general list of teletext. You can only call the table on stations, which use the TOP operating system.



Select a topic area with ▼ ▲.
Select the Topics column with ▶.
Select topic with ▼ ▲ and display page with **OK**.

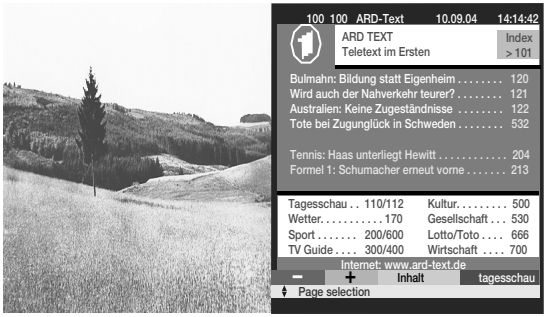
1 2 7 pqrs **Enter the page number directly**

Displaying teletext pages

0 AV Stop self-turning pages (HOLD)

9 wxyz Zoom page top part – bottom part – normal size (press button several times)

PIP TV picture on/off (**Split Text**)


100 100 ARD-Text 10.09.04 14:14:42
ARD TEXT
Teletext im Ersten
Index
> 101
Bulmahn: Bildung statt Eigenheim 120
Wird auch der Nahverkehr teurer? 121
Australien: Keine Zugeständnisse 122
Tote bei Zugunglück in Schweden 532
Tennis: Haas unterliegt Hewitt 204
Formel 1: Schumacher erneut vorne 213
Tagesschau . . 110/112
Wetter. 170
Sport. 200/600
TV Guide . . . 300/400
Kultur. 500
Gesellschaft . . . 530
Lotto/Toto . . 666
Wirtschaft. 700
Internet: www.ard-text.de
Inhalt
tagesschau
Page selection

Program timer recordings
A video or DVD recorder must be connected and logged in.
Call the program pages of the current station with the Record button • in teletext mode. Scroll to the teletext page in which the program to be recorded is listed if necessary. Select the program you want to record with ▼ ▲ and confirm with the **OK** button. For "Timer data" select the VCR or DVD recorder and whether you want to record once or a serial. Confirm with **OK**.

Teletext menu

MENU Display teletext menu

100 100 ARD-Text 10.09.04 14:14:42
ARD TEXT
Teletext im Ersten
Index
> 101
Bulmahn: Bildung statt Eigenheim 120
Wird auch der Nahverkehr teurer? 121
Australien: Keine Zugeständnisse 122
Tote bei Zugunglück in Schweden 532
Tennis: Haas unterliegt Hewitt 204
Formel 1: Schumacher erneut vorne 213
Tagesschau . . 110/112 Kultur. 500
INFO END
Menu
cording Settings
Newsflash Reveal
Personal teletext pages ...

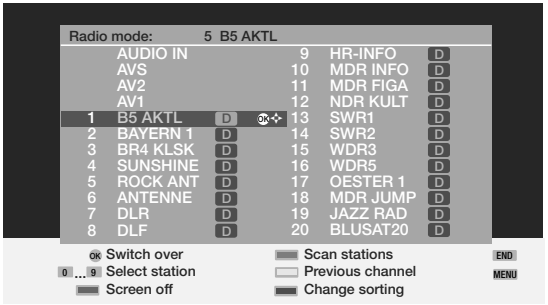
Here you will find functions such as
- "New message", that is an on-screen display of the latest messages (e.g. page 111).
- "Reveal" concealed information, e.g. VPS pages in the station table pages.
- Programming a recording by teletext.

In the Settings you will find menus to define the station table pages, subtitle pages and personal teletext pages and the character set as well as HiText.

Radio mode

You can only receive radio programs via DVB.

RADIO Use the **RADIO** button on the remote control to switch the radio mode on or off.



You see a station table of the radio stations. You can switch off the screen with the red button. The LED on the TV lights green and red.
You can switch the screen display on again with the red or blue buttons, or with **RADIO** or **END** on the remote control.
Station switching with dark screen: with **P–** and **P+** on the remote control or with the numeric buttons.

The Sound menu can be called with the button in radio mode.
Radio menu

MENU Call Radio menu

In the Radio menu, as in TV mode, you can set the sound, search for radio stations and store them (automatically or manually), delete stations from the list, resort them or change names and set switching off/alarm functions.

Program guide – EPG
For the DVB radio programs you can also use the program guide when the currently active station supplies data.

Operating additional equipment

Login and connect equipment

You have logged in and connected all connected equipment in the initial start-up. If you want to connect other equipment or disconnect equipment, call the connection wizard.

Call up the TV menu

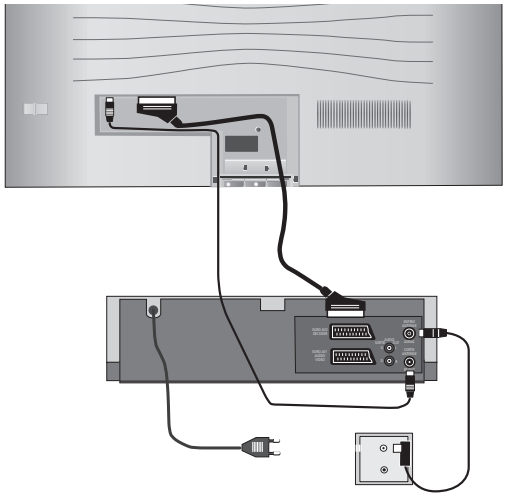
Mark "Connections"

Mark the submenu line

Mark "New equipment/changes" and ... call with OK.

State what equipment you want to connect. The connection wizard then shows you which sockets you should connect this equipment to. Then connect the equipment to these sockets.

Connecting video/DVD recorders
In addition to the connection via the Euro-AV sockets you also have to connect the antenna (only for terrrestrial antenna or cable systems) through the VCR/DVD recorder to the TV set. The antenna signal is then available to the video/DVD recorder and the TV set.
Note: Use Euro AV cables with righ-angled plugs as shown.
Search for and store the station of the video recorder (if no Euro AV cable is available).



Search for and store the station of the video recorder (if no Euro AV cable is available)
Switch on the test station on the VCR or insert a recorded tape and start playback. In some video recorders the station must be switched on by activating the modulator.

Then call the AV selection on the TV set with **0 AV**. Select the menu item "VIDEO" in the AV selection and call with **OK**.
To prevent "normal" TV stations being found in the search, pull out the antenna plug from the antenna input of the VCR temporarily (the cable to the antenna system).
If you cannot see the test station or playback from the cassette, the VCR is transmitting on a different channel. You then have to search for the station or set it manually.

1. Call the TV menu with the **MENU** button.
2. Select the „Settings" menu item with ◂ ▸.
3. Select the line below it with ▾ and "Channels" with ◂ ▸.
4. Select the line below with ▾ and "Manual adjustment" with ◂ ▸ and call this menu with **OK**.
5. Enter channel "E30" under the "Channel" item (UHF range, select in this menu above if necessary).
6. Start search with the blue button.
7. If the station has been found, enter the name VIDEO, confirm with **OK** and save with the red button.
8. A list of the stored stations is displayed
9. Select 0 (VIDEO) here and overwrite this program place with the red button.
10. Hide the menu again with the **MENU** button.

Plug the antenna plug back in.

If you now get interference because a TV station is transmitting on the same channel as the VCR station, you have to change the transmitting station on the VCR and search for the VCR station on the TV again.

Operating additional equipment

Video playback

There are several ways to see the picture and hear the sound of the VCR, DVD player or camcorder on your TV:

1. You can use the Euro AV sockets on the TV set and on the VCR. This is the best way to get a good picture and sound quality. Use the AVS sockets on the right of the TV for camcoders and digital cameras.
   When playing from a video recorder with Digital Link PLus (or a comparable system from another manufacturer), the picture from the VCR is shown at the current program place.
   When playing back from another video recorder, camcorder or digital camera, select the AV socket to which the video is connected with AV selection (button **0 AV**) or with the station table (**OK**).
   Video recorders transmit a switching voltage during playback which the TV can evaluate (can be activated in the connection wizard or in the "TV menu" – "Connections" – "Others" - "Allow switching voltage set" to "yes"). Then the picture of the video recorder is shown at the current program place.
2. Use the antenna connection between the VCR and the TV. The sound is only transmitted in mono. Select the first menu item, e.g. VIDEO, in the AV selection.

Calling an AV program in the AV selection list

Call AV selection

Select AV socket (or VIDEO if the video recorder has been connected via the antenna socket) and with ...

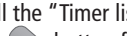
... Call AV station.

Now you will see the playback from the connected AV unit.

Note: If channel 0 (Video) is called and a switching voltage is applied to AV1/AV2, the TV set switches automatically to this signal.

Calling AV stations with the station table
Call the station table with the **OK** button in TV mode.
In the numeric sorting you will always find the AV sockets at the top of the list without station numbers.

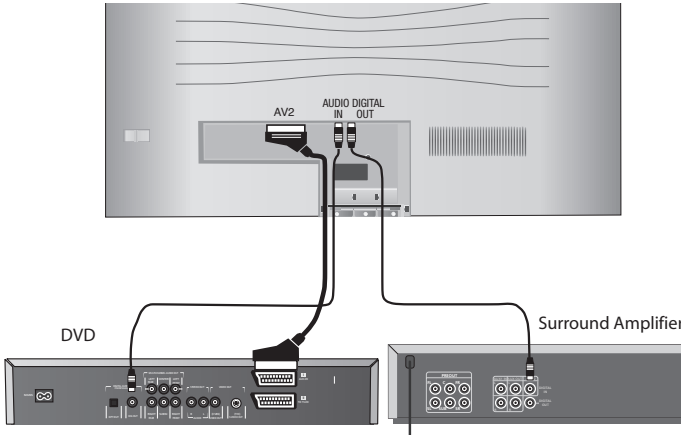
Timer recording with video or DVD recorder

You can program timer recordings on the TV set. Programming can be done with the EPG, teletext or manually.
Call the "Timer list" menu with the button  and press the red button button for "New recording". Select whether you want to program the recording by EPG, teletext or manually.
When you have connected a recorder which has **Digital Link Plus** or a comparable system from a different manufacturer, the timer data of analog terrestrial stations are transmitted from the TV to the recorder. The recording quality SQ or EQ is transmitted for DVD recorders addtionally to station, date and time. The recording is then controlled by the recorder and the recorder tuner is used for reception of the station. The recording data are not saved in the timer list of the TV set. You will only find the timer data in the recorder.

If you want to record from digital stations, the TV tuner is used and the recorder is controlled by the TV set. Then the program is locked during the timer recording. You can switch over to another station (analog terrestrial) if you have a retrofitted digital satellite tuner (from which you are recording) and analog terrestrial reception.
If you have connected a Loewe video recorder with **Digital Link** (without Digital Link Plus) and you are using the timer programming of the TV, the TV receiver is always user, for terrestrial stations as well. The TV controls the recording.
You have to set the recorder to the AV input to which the TV set is connected.
The program is locked during the timer recording. Switching to other stations is not possible.
Digital Link must be switched on on the recorder. Read the operating instructions of your Loewe recorder.
Use only Euro AV cables, which are completely shielded, otherwise Digital Link/Digital Link Plus will not work.
Another advantages of Digital Link is that you can install the recorder in a concealed place (e.g. in a rack). You can control the recorder with the TV set.
If you have a Loewe recorder with both systems, you can use all the advantages. The advantages of Digital Link Plus are used for the timer recording, the advantages of Digital Link for concealed installation of the recorder..

Assignment of digital audio inputs and outputs

Audio input "AUDIO DIGITAL IN"
The TV set has a coaxial digital audio input "AUDIO DIGITAL IN" and a coaxial digital audio output "AUDIO DIGITAL OUT". If you are using an external digital surround amplifier for sound reproduction, you have to feed digital audio signals to the TV, e.g. from the DVD player.



Connect the output socket of the DVD player (DIG OUT) to the TV's "AUDIO DIGITAL IN" socket with a cinch cable.
In the connection wizard you specify that sound transmission is to be digital. Specify that the digital sound is to be assigned for example to the Euro AV socket 2 to pass on the digital sound to the digital audio output of the TV set and via this to the external audio amplifier. Further information about this can be found on page 26.

Audio output "AUDIO DIGITAL OUT"
The digital audio signal is applied at the "AUDIO DIGITAL OUT" socket of the TV. For example, you can connect an external digital audio amplifier or the Loewe Auro system here.

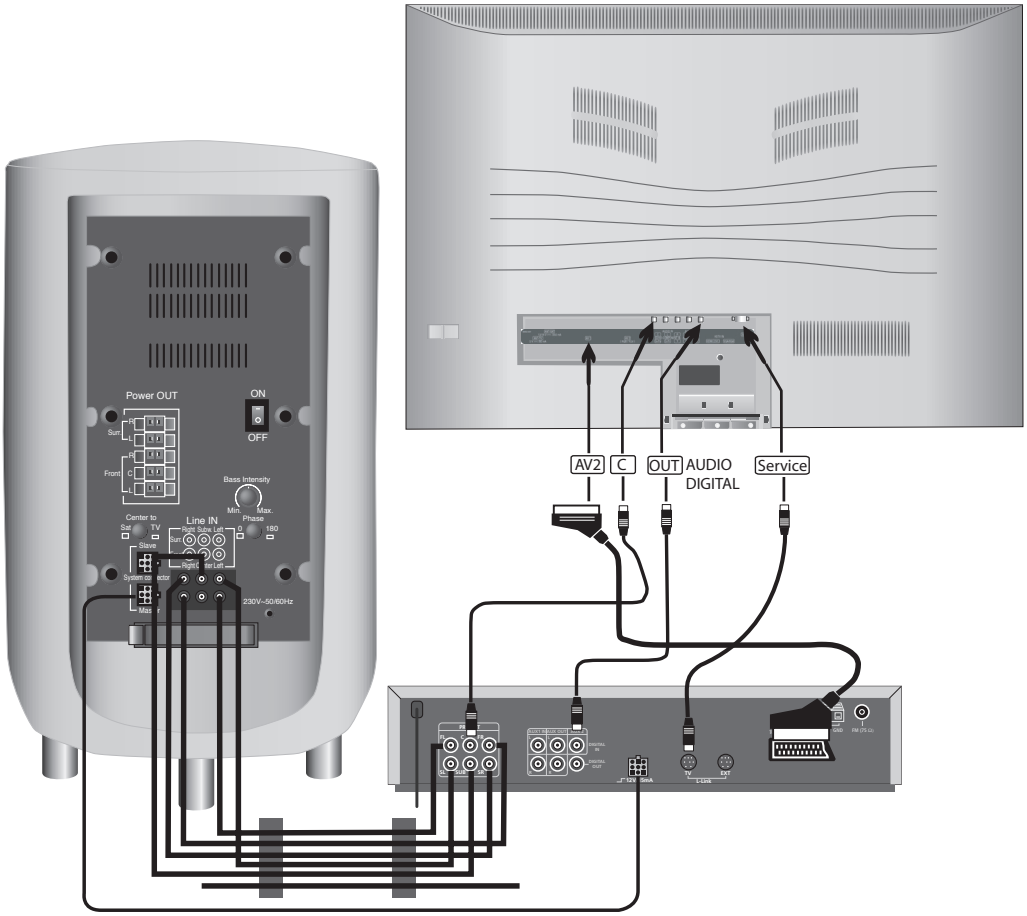
An analog audio signal from the TV set or another sound source which is received at one of the Euro-AV sockets of the TV set is converted into a digital signal (PCM) and output at the "AUDIO DIGITAL OUT" socket. Conversion from external analog AV sources to PCM is not possible if the loudspeaker of the TV set is used as a center channel. In this case connect your audio amplifier additionally to the TV (AUDIO OUT L/R) with a cinch cable and switch the audio amplifier to analog audio input.

The digital TV sound or the digital sound of a connected auxiliary device is only audible via an external digital audio amplifier (e.g. Loewe Auro system).

Connect Loewe DVD Preceiver Auro 8116 DT and Tremo loudspeaker system

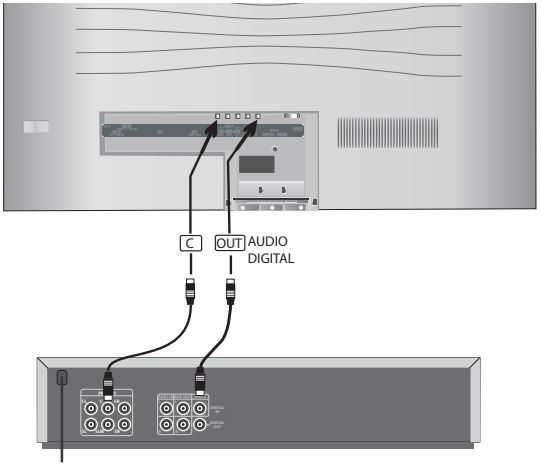
You can play audio signals from the TV or DVD player in cinema quality with these components. The Tremo system includes 5 speakers for the front, center and surround reproduction in addition to the subwoofer illustrated below. The center signal can be reproduced alternatively by the TV speakers. Connect the cubic socket on the DVD Preceiver to the "Master" cubic socket on the subwoofer. Use the cubic plug cable enclosed with the DVD Preceiver. Plug the white plug (without kink protection) into the cubic socket on the subwoofer For TV as a center loudspeaker connect "AUDIO IN C" on the TV set to "PRE OUT C"on the DVD Preceiver with a cinch cable.

Connect the digital audio output of the TV set "AUDIO DIGITAL OUT" to the "DIGITAL IN" input of the preceiver with a cinch cable. Connect the TV socket "SERVICE" to the TV-L-Link socket on the Preceiver with the L-Link cable (provided with the Preceiver). Switch on the TV set and the Preceiver. Via the L-Link the TV recognizes whether the Preceiver is connected. Select the "Tremo" loudspeaker system in the DVD menu of the Preceiver, set the listener/speaker distances and adjust the speaker levels. Please consult the DVD Preceiver manual.
If you want to listen to the sound over the TV speakers temporarily, call the Sound menu, select "Sound via" and then "TV". If you want to listen to the sound over the Loewe Auro system, select "Auro" under "Sound".

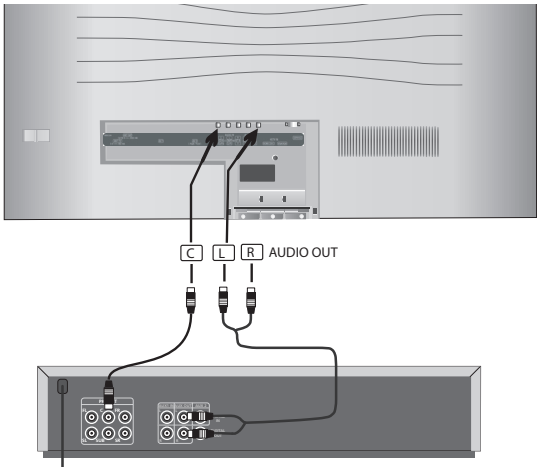


Connecting other audio amplifiers or active speakers

In the connection wizard set "**HiFi/AV amplifier**" under "Device selection: Audio device". The connection wizard allows configuration of different audio amplifiers (stereo amplifiers, surround amplifiers, analog or digital) with different sound formats (Dolby Digital, dts, MPEG and Stereo/PCM). Have a look at the audio amplifier manual.
Select "Sound transmission" "digital" for **digital audio amplifiers**. Connect the digital audio output of the TV AUDIO DIGITAL OUT to the digital audio input of the digital amplifier.
Assign the digital audio input to the socket through which the corresponding picture is transmitted (e.g. AV2 if a DVD player is connected there). Then the digital sound is passed to the digital audio output of the TV set and fed to the external audio amplifier via this.
Specify which sound formats can be decoded with their digital amplifier (Dolby Digital, MPEG, dts).
Specify under "Amplifier type" whether the digital amplifier is a stereo or surround amplifier.
If it is a surround amplifier, specify whether or not the TV speakers are to be used as center loudspeakers. Connect the center output of the amplifier to the center input of the TV with a cinch cable if necessary.
Note: do not use the center speaker connection on the amplifier but the pre-amplifier center output!



Select "Sound transmission" "analog" for **analog audio amplifiers**. The sound for the analog amplifier is transmitted via the AUDIO OUT L/R connections of the TV to the audio amplifier. Connect the amplifier with two cinch cables.
Specify under "Amplifier type" whether the digital amplifier is a stereo or surround amplifier.
If it is a surround amplifier, also specify whether or not the TV speakers are to be used as center loudspeakers. Connect the center output of the amplifier to the center output of the TV with a cinch cable if necessary.
Note: do not use the center speaker connection on the amplifier but the pre-amplifier center output!



If you want to listen to the sound over the TV speakers temporarily, call the Sound menu with the button, select "Sound via" and then "TV".

When connecting **active loudspeakers** select "Active loudspeakers" in the connection wizard under "Device selection: Audio device". The sound for the active loudspeakers is transmitted via the AUDIO OUT L/R connections to the active loudspeakers. Make connections to the active loudspeakers with the cinch cables.

The audio settings on the TV set when active loudspeakers are connected. When using an external audio amplifier, make the audio settings on the audio amplifier.

Operating additional equipment

HDMI (DVI) connection

The HDMI connection (High Definiton Multimedia Interface) allows digital picture and sound transmission via a connecting cable, e.g. from DVD players. The digital picture and sound data are transmitted without data compression and therefore lose none of their quality. No analog/digital conversion is necessary in the connected equipment which also led to losses in quality.
DVI signals can be also be reproduced by the HDMI connection using a DVI/HDMI adapter cable. This is possible because HDMI is based on DVI and is downward compatible. That means that the digital video signals are transmitted via HDMI. In addition both use the same copy protection method HDCP.

Connect the set with an HDMI connection with an HDMI cable (type A, 19-pin) to the HDMI socket of the TV set. Log in the HDMI connection in the connection wizard ("TV menu" – "Connections" – "New devices/modifications").

Select the HDMI connection in the AV selection.

0 AV — Call AV selection

Select HDMI/DVI socket and with ...

call up

Start playback on the connected device with HDMI connection.
The best possible formats for picture and sound are detected and set automatically.

No sound is transmitted when a DVI/HDMI adapter cable is used for transmission. You can feed in the appropriate analog sound via the audio input sockets AUDIO IN L/R on the TV set. The sound is played over the TV loudspeakers.

If you have connected a digital external audio amplifier, you can select the digitla audio signal in the connection wizard (TV menu - Connections - New devices/changes) and assign it to the HDMI/DVI socket. You do the other settings for the audio amplifier as described for the digital amplifier on page 26. The digital audio signal of the DVI audio source is fed in at the AUDIO DIGITAL IN socket on the TV. The digital audio signal from the TV AUDIO DIGITAL OUT is fed to the amplifier.

VGA/XGA connection

You can connect a PC or a Set Top Box (STB) and therefore use the TV screen as an output device.
Connect the PC/STB with a VGA cable to the VGA/XGA socket on the TV.
When connecting to a PC you set one of the following screen resolutions on your PC first. 800x600 60Hz (SVGA) and 1024x768 60Hz (XGA).
When a Set Top Box is connected you set the following screen resolutions according to the possibilities of the Set Top Box:
SDTV - standard modes in STB: 720x576i PAL (50 Hz),
720x 480i NTSC (60 Hz)
HDTV modes: 1280x720p, 1920x1080i
ProScan: 720x576p (50 Hz), 720x480p (60 Hz)
Select the VGA/XGA connection in the AV selection.

0 AV — Call AV selection

Select VGA/XGA socket and with ...

call up

Start the connected device.

Set geometry
Call the TV menu with the **MENU** button, select "Geometry" with ◀ ▶ and set:
If the picture is not positioned correctly you can move the picture horizontally and vertically here so that it fills the whole screen. You can also set the phase position so that the picture appears in the best possible quality.

Set color standard
Call the Picture menu with the ▭ button. Select "Color standard" with ◀ ▶ and select.
The color standard for a connected PC is RGB.
In Set Top Boxes you usually set Ycc as a color standard. Other formats such as Ypp or RGB can also be output. Please consult the manual of the connected device.
If the wrong standard is selected, you will recognize this from the wrong colors in the display.

Operating additional equipment

Sound from PC or Set Top Box
Feed the analog audio signal from the PC or the STB to the sockets AUDIO IN L/R on the TV via a cinch cable. The sound is reproduced by the TV speakers.
If you have connected a digital external audio amplifier, you can select the digitla audio signal in the connection wizard (TV menu – Connections – New devices/modifications) and assign it to the VGA/XGA socket. You do the other settings for the audio amplifier as described for the digital amplifier on page 26. The digital audio signal of the Set Top Box is fed in at the AUDIO DIGITAL IN socket on the TV. The digital audio signal from the TV AUDIO DIGITAL OUT is fed to the amplifier.

Component Video connection

If you have a DVD player/recorder with Component OUT connections, you can connect it to the SD/HD-COMPONENT IN sockets of the TV instead of to the Euro AV sockets. The connecting cable with three cinch plugs each transmits picture information. The playback is better quality than via the Euro AV socket.
You need another cinch cable for the analog sound transmission. Connect the analog audio outputs of the DVD player to the AUDIO IN L/R sockets on the TV set. The sound is reproduced by the TV speakers.
If you want to use the digital sound of the DVD player with a digital audio amplifier connected to the TV, make a connection between AUDIO DIG OUT of the DVD player and AUDIO DIGITAL IN of the TV set.
Log in the Component device in the connection wizard:
Assign the AUDIO DIG. IN input here, if a digital audio amplifier is also connected, to the COMP. IN socket. You do the other settings for the audio amplifier as described for the digital amplifier on page 26.
Set the signal at the Component input in the connection wizard.:
Set to "Automatic" first. If the signal is not reproduced when playback is started, consult the manual of the connected DVD device to find out what screen resolution is possible (SDTV, HDTV or ProScan).

Select the component input in the AV selection.

0 AV — Call AV selection

Select COMP. IN sockets and with ...

call up

Start playback on the connected device.

Set geometry
Call the TV menu with the **MENU** button, select "Geometry" with ◂ ▸ and set:
If the picture is not positioned correctly you can move the picture horizontally and vertically here so that it fills the whole screen. You can also set the phase position so that the picture appears in the best possible quality.

Operating Loewe video recorders and Loewe DVD players directly

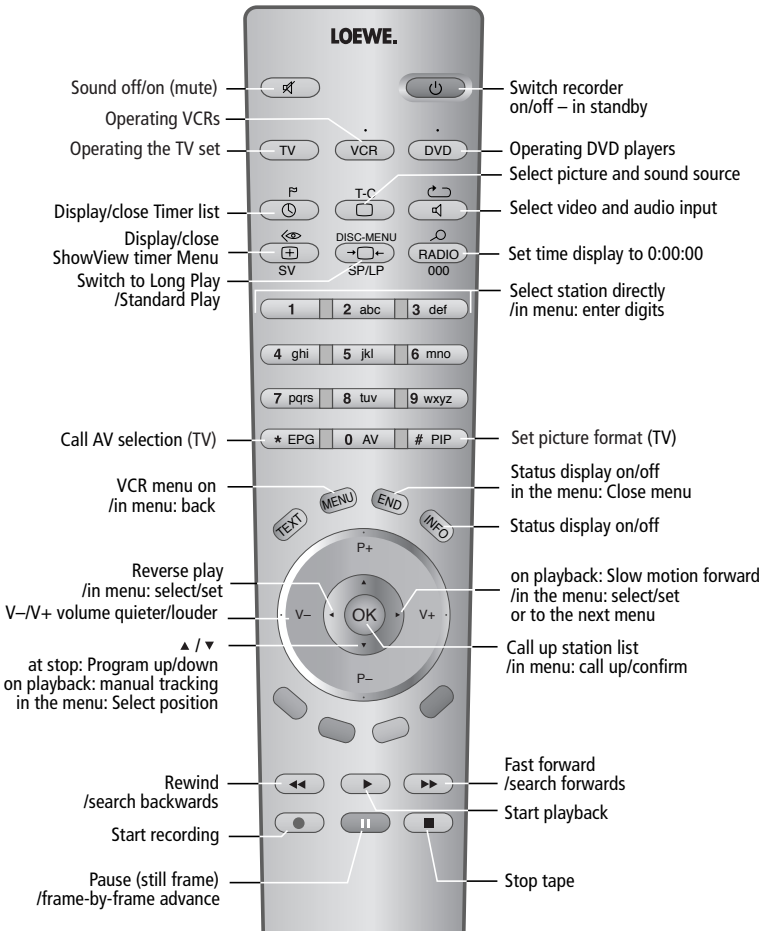
You can switch over the remote control of the TV set to operate Loewe video recorders and Loewe DVD players. These devices can be operated directly.

Select the device to be operated:

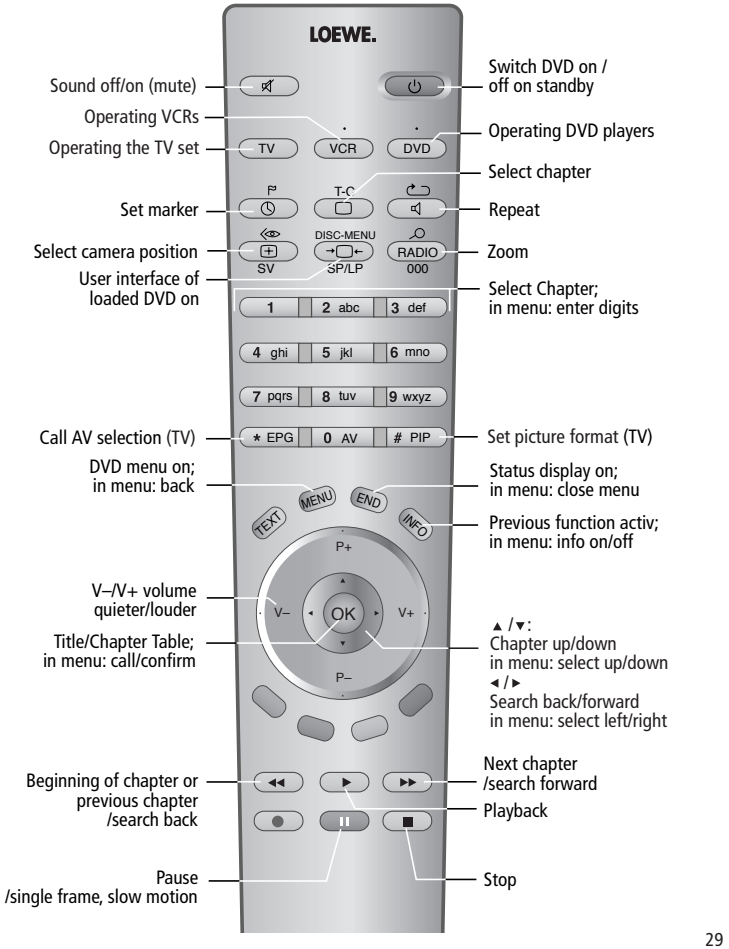
- VCR — press **VCR** button, the lamp above lights for about 5 secs.
- DVD — press the **DVD** button, the lamp lights up for about 5 secs.
- TV — Switch back to TV operation: Press the **TV** button.

When operating in the VCR or DVD mode, the lamp above the VCR or DVD button lights.
In DVD mode the following DVD players can be operated: Xemix 6122DO, 8122DA und 6222PS.
In VCR mode the following VCRs can be operated: ViewVision 8106H, 8136H, 8176H, 6306H, 6336H, 6376H, 6396H, 4306H, 4376H, 2102M, 2302M, 4206, 4236, 4276.
For other Loewe equipment than that listed, please use the original remote control.

Functions for Loewe video recorders (VV 8106, 8136, 8176)



Functions for Loewe DVD players (Xemix 6122DO, 8122DA, 6222PS)



What to do, if ...

Problem	Possible cause	Help
"Recording" is not displayed in the TV menu	No video or DVD recorder logged in	Log in the video or DVD recorder in the connection assistent and connect the device.
"Connections" for example cannot be called in the TV menu (grayed out)	A time recording is in progress	Wait until the timer recording has ended or delete the timer.
The control of the Loewe video recorder and the timer do not work or do not work properly.	a) The Digital Link function is not activated or not possible in the video recorder b) Euro AV cable not connected	a) Activate Digital Link in the video recorder (see operating instructions of the video recorder) b) Connect the Euro AV cable
General problems with connecting external equipment via an AV input	a) The device is not logged in in the connection wizard or connected differently to shown in the connection diagram. b) The AV standard is set incorrectly c) The AV signal is set incorrectly	a) Compare the connection diagram with the actual installation in the connection wizard and connect as shown if necessary. b) Set the standard correctly c) Set the AV signal correctly If "Automatic" is set for AV standard or AV signal, this can lead to faults with signals which do not conform to standard. Then the standard and the signal are set according to the specifications in the operating instructions of the external device.
A decoder connection does not function or is faulty	a) The signal is not decoded because the wrong decoder programs are selected in the connection wizard. b) The sound is missing in decoder mode because the wrong decoder sound is assigned in the connection wizard.	a) Follow the instructions in the connection wizard again and select the appropriate decoder programs. b) Follow the instructions in the connection wizard again and select the right audio soukrce (decoder, TV or autom.), see instructions of the decoder.
All menus appear in the wrong language	Menu language has been set incorrectly	Set your menu language: Press the **INFO** button in TV mode (index). Mark the first listing and call with **OK**. Then select the language and confirm with **OK**.

What to do, if ...

Problem	Possible cause	Help
Digital Link Plus does not function	a) Euro AV cable is not fully wired (pin 10 not wired) b) Some video recorders can only take over the stations in first time operation of the TV c) All or some terrestrial and cable programs are stored at program places ≥ 99	a) Replace the Euro AV cable b) Restore the video recorder to the as-delivered state (see recorder manual) c) Resort the terrestrial and cable programs so that they come to rest between 1 and 99.
Various characters are displayed incorrectly in the teletext	The wrong character set is set in the teletext menu	Set the right character set: Teletext menu – Settings – Character set: standard or the appropriate character set.
No sound via external digital audio amplifier	a) The external digital audio amplifier does not support the selected sound format (Dolby Digital, dts, MPEG) b) TV set and external digital audio amplifier are not connected.	a) Set PCM stereo on the DVD player in the sound selection. Switch language/sound selection (green button) to Stereo in the DVB program on the TV set in the status display (**END**). b) Connect Digital-Out from the TV set to a Digital-In of the external audio amplifier and select the appropriate input on this.

Technical data

Type	Xelos A32	Xelos A37	
Item No.	64466 A60	64467 A60	
Dimension with table stand (cm)	84,5x66x24	99,5x73,5x24	
Image format	16:9	16:9	
Image diagonal	80 cm	94 cm	
Pixel format	1366x768	1366x768	
Contrast ratio	800:1	800:1	
Angle of viewing horizontal/vertical	170°	170°	
Weight with table stand (kg)	18,9	22,4	
Power consumption (Watt) IEC 62087	70/75	75/80	
Power standby (Watt)	< 3	< 3	

General

Xelos A 32 DVB-T (digital)	Item No. 64466.A88
Xelos A 37 DVB-T (digital)	Item No. 64467.A88
Operating temperature	5° – 35° Celsius
Relative humidity	20 ... 80% (no condensation))
Chassis name	L 2600
Power supply	220 V – 240V/50–60 Hz
Tuner VHF/UHF/ cable	
Hyperband 8 MHz	41 MHz to 860 MHz
Station slot memory	430 / to DVB 1680
TV standards	B/G, I, L, D/K, M, N
Colour standard	PAL SECAM, NTSC-V, PAL 60Hz
Sound standard	Mono/Stereo/Bilingual Nicam B/G, I, L, Virtual Dolby
Rated audio power	2 x 20 Watt/4 Ohm
Teletext	Level 2.5

Connections

Jack 3.5mm		Headphones 32–2000 ohm
Mini-DIN (AVS)	Video IN	Y/C (S-VHS/Hi 8)
Cinch (yellow)	Video IN	CVBS (VHS/8 mm)
Cinch (white/red)	Audio IN	L/R
IEC socket 75 ohm (* 5 V/80 mA)		Antenna/cable/DVB-T
* F socket 75 ohm 13/18 V/350 mA		ANT-SAT
EURO-AV 1	Video IN	Y/C (S-VHS/Hi 8)
		CVBS (VHS/8 mm)
	Video OUT	CVBS (VHS/8 mm)
		Y/C (S-VHS/Hi 8)
	Audio IN	L/R
	Audio OUT	L/R
EURO-AV 2	Video IN	Y/C (S-VHS/Hi 8)
		CVBS (VHS/8 mm)
		RGB, YUV
	Video OUT	CVBS
		Y/C, (only with S-VHS Link Plus)
	Audio IN	L/R
	Audio OUT	L/R
Cinch	Audio IN max. 2Vrms	Center
2 x Cinch	Audio IN	L/R
2 x Cinch	Audio OUT (level adjustable in active loudspeakers)	L/R
Cinch	COMPONENT IN:	Cb/Pb signal
Cinch	COMPONENT IN:	Cr/Pr signal
Cinch	COMPONENT IN:	Y signal
Cinch	Digital Audio IN (SPDIF)	Digital audio
Cinch	Digital Audio OUT (SPDIF)	Digital audio
HDMI/DVI	Digital Video/Audio IN type A 19pin	Digital video and audio
VGA/XGA	VGA/XGA IN	PC/STB video signal
Mini-DIN		Service/L-Link

* Digital satellite tuner can be retrofitted (only for set with DVB-T)

Accessories

Wall holder
Use the wall holder WM53, Loewe order no. 63493 A10.

Racks
Use the attractive Xelos Rack, Loewe order no. 64496 A00.

Digital Satellite Tuner
If your TV set is already equipped for DVB-T reception, you can have it retrofitted with a satellite tuner.
The digital satellite tuners are integrated in the TV set and are operated by the remote control/menu control of the TV.
Loewe order no. 89361.055 for devices with DVB-T.

Loewe Video Recorders
Loewe video recorders are specially adapted to Loewe TV sets in design, user guidance and technical properties. They greatly simplify daily handling of the equipment.

Loewe DVD players and recorders
The DVD players and recorders from Loewe are characterized by form and colour which match Loewe TV sets, adapted user guidance and technology. A combination of the two devices forms a system which offers many advantages.

Loewe Audio systems and active speaker systems
In connection with a Loewe TV with a Loewe audio system and a Loewe speaker system you have an excellently tuned Home Cinema system. Advantages are high operating comfort, attractive design and adapted technology

Subject to delivery options.

The code number 3001 cancels out a secret code and with it the child lock. Please keep it in a safe place.

Service Addresses

Australia
International Dynamics Australasia Pty Ltd.
129 Palmer Street
AUS - Richmond, Victoria 3121
Tel. 03–94 29 08 22
Fax 03–94 29 08 33
Benelux
Loewe Opta Benelux NV/SA
Uilenbaan 84
B–2160 Antwerpen
Tel. 0902–88 00 2
Tel. 03–270 99 30
Fax 03–271 01 08
Loewe Opta Nederland B.V.
Ravenswade, 54A1
NL–3439 LD Nieuwegein (Utrecht)
Tel. 0900–20 20 180
Fax 030–280 33 27
Denmark
Kjaerulff 1 A/S
C.F.Tietgens Boulevard 19
DK–522Ø Odense SØ
Danmark
Tel. 0661–354 80
Fax 0661–354 10
Germany
Loewe Opta GmbH
Customer Care Center
Industriestraße 11
D–96317 Kronach
Tel. 01801–22256393
Fax 09261–99500
www.loewe.de
France
Loewe France S.A.
11 rue de la Durance
F–67100 Strasbourg Cédex 1
Tel. 03–88 79 72 50
Fax 03–88 79 72 59
Greece
SOUND HELLAS S.A.
Kleanthous Str. 10
GR–54642 Thessaloniki
Tel. 2310–856 100
Fax 2310–856 300
Great Britain
LinnSight Ltd.
PO Box 8465
Prestwick
UK – KA 7 2YF
Tel. 01292–47 15 52
Fax 01292–47 15 54
CIS
Service Center Loewe
ul. Verkhnyaya Maslovka, d. 29
RUS–125083 Moscow
Tel. 095–212 50 43, 956 67 64
Fax 095–212 47 10

Israel
RIF TRADING LTD
29 Izhak Sade Street
ISR–Tel Aviv 67213
Tel. 03–62 40 555
Fax 03–62 40 303
Italy
Loewe Italiana srl
Lago del Perlar, 12
I–37135 Verona
Tel. 045–82 51 611
Fax 055–82 51 622
Malta
Mirage Holdings Ltd
Flamingo Complex
Cannon Road
M–Qormi
Tel. 22 79 40 00
Fax 21 44 59 83
Morokko
SOMARA S.A.
377, Rue Mustapha El Maani
MA–20000 Casablanca
Tel. 02–22 20 308
Fax 02–22 60 006
Norway
CableCom AS
Østre Kullerød 5
N–3214 Sandefjord
Tel. 033–48 33 48
Fax 033–44 60 44
Austria
Loewe Austria GmbH
Parkring 10
A–1010 Wien
Tel 01–51 63 33 034
Fax 01–51 63 33 032
Poland
Piotech
ul. Boh. Getta Warszawskiego 18
PL–81-609 Gdynia
Tel./Fax 058–62 43 467 / 058–62 45 009
Portugal
Vídeoacustica
Comercio e Representacoes de
Equipamentos Electronicos S.A.
Estrada Circunvalacao
Quinta do Paizinho, Arm. 5
P–2795-632 Carnaxide
Tel. 21–42 41 770
Fax 21–41 88 093
Sweden
Canseda AB
Amalia Jönssons Gata 19
S–421 31 Västra Frölunda
Tel. 031–70 93 760
Fax 031–47 65 15

Switzerland
Telion AG
Rütistrasse 26
CH-8952 Schlieren
Tel. 044–732 15 11
Fax 044–730 15 02
Slowenia
Jadran Trgovsko Podjetje
Partizanska cesta 69
SL–6210 Sezana
Tel. 057–310 441
Fax 057–310 442
Spain/Canary Islands
Gaplasa S.A.
Conde de Torroja, 25
E–28022 Madrid
Tel. 91–748 29 60
Fax 91–329 06 71
South Africa
THE SOUNDLAB PTY LTD
P.O. Box 31952
Kylami 1684
Republic of South Africa
Tel. 011–46 64 700
Fax 011–46 64 285
Czech Republic
TIPA sdruzení
Dolní nám. 9
CZ–746 01 Opava 1
Tel: 0553-62 49 44
Fax: 0553-62 31 47
Turkey
Enkay Elektronik Servis Müdürlügü
Alemdag Cad: Site Yolu No.: 10
Ümraniye/ Istanbul
Tel. 0216–523 15 94/96
Fax 0216–523 16 58
Hungary
Basys Magyarorszagi KFT
Epitok utja 2–4
H–2040 Budaörs
Tel. 023–415 637/121
Fax 023–415 182
Cyprus
L&M Euroappliances Ltd
P.O. Box 23426
Kennedy Avenue 1A&B
CY–Nicosia
Tel. 02–42 05 10
Fax 02–42 87 70

02/1.0
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